

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

1. (Previously presented) A medical electrical lead, comprising:
a component including a surface and a groove formed in the surface;
a conductor, the conductor extending within the lead and including a plurality of wire strands cabled together positioned within the groove of the component; and
a resistance weld formed between the conductor and the component;
wherein the groove includes a depth and the conductor positioned within the groove includes a pre-weld diameter, the pre-weld diameter being greater than the depth of the groove.
2. (Original) The medical electrical lead of claim 1, wherein the surface has a curved profile.
3. (Previously presented) The medical electrical lead of claim 2, wherein the component comprises a substantially tubular body and wherein the surface is an inner surface of the substantially tubular body.
4. (Original) The medical electrical lead of claim 2, wherein the surface of the component forms an outer diameter.
5. (Original) The medical electrical lead of claim 2, wherein the surface of the component forms an inner diameter and the component further includes an outer electrode surface.
6. (Original) The medical electrical lead of claim 5, wherein the outer electrode surface includes a titanium nitride coating.

7. Cancelled
8. (Original) The medical electrical lead of claim 1, wherein the conductor is a coil.
9. (Original) The medical electrical lead of claim 1, wherein the groove extends approximately aligned with a longitudinal axis of the component.
10. (Original) The medical electrical lead of claim 1, wherein the groove extends approximately transverse to a longitudinal axis of the component.
11. (Previously presented) The medical electrical lead of claim 2, wherein the groove spiraling about a portion of a circumference of the surface.
12. (Original) The medical electrical lead of claim 1, wherein the groove includes an approximately semi-circular cross-section.
13. (Original) The medical electrical lead of claim 1, wherein the groove includes an approximately v-shaped cross-section.
14. (Cancelled)
- 15 - 24. (Cancelled)
25. (Previously presented) The medical electrical lead of claim 1, wherein the component comprises an elongated body, and wherein the groove comprises a longitudinal slot substantially parallel with the longitudinal axis of the elongated body.
- 26 - 28. (Cancelled)

29. (Previously presented) A medical electrical lead, comprising:

- a component comprising a substantially tubular body having an inner surface and a groove formed in the inner surface;

- a conductor comprising a plurality of wire strands cabled together, the conductor extending within the lead and positioned within the groove of the component; and

- a resistance weld formed between the conductor and the component;

wherein the groove includes a depth and the conductor positioned within the groove includes a pre-weld diameter, the pre-weld diameter being greater than the depth of the groove.